

**GOVERNMENT OF INDIA
ENVIRONMENT, FORESTS AND CLIMATE CHANGE
LOK SABHA**

UNSTARRED QUESTION NO:96

ANSWERED ON:21.07.2015

Emissions of Carbon Dioxide

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Will the Minister of ENVIRONMENT, FORESTS AND CLIMATE CHANGE be pleased to state:

- (a) whether the Government has any mechanism to monitor the average CO₂ emissions (grams/vehicle-km) for light-duty and heavy-duty vehicles;
- (b) if so, the details thereof and if not, the reasons therefor;
- (c) the details of internationally proposed reduction in average CO₂ emissions (grams/vehicle-km) for light-duty and heavy-duty vehicles;
- (d) whether the Government has finalised a projected reduction in average CO₂ rate (grams/vehicle-km) for light-duty and heavy-duty vehicles; and
- (e) if so, the details thereof along with the proposed mechanism for the same and if not, the reasons therefor?

Answer

MINISTER OF STATE (INDEPENDENT CHARGE) FOR ENVIRONMENT, FOREST AND CLIMATE CHANGE
(SHRI PRAKASH JAVADEKAR)

(a)and (b)According to the information received from the Central Pollution Control Board (CPCB), CO₂ has not been recognised as an air pollutant. There is a mechanism of monitoring CO₂ emissions using dynamometer testing (chassis dynamometer in case of petrol based vehicles and engine dynamometer on diesel based heavy duty vehicles). The testing of emissions of CO₂ and various pollutant from vehicles is done by dynamometer testing wherein a vehicle is attached to a dynamometer and made to run on specified driving cycles, under the road simulated conditions and the emissions (including CO₂ emissions) from vehicles are measured. CPCB in collaboration with Automotive Research Association of India (ARAI) in the year 2007 had carried out emission monitoring for CO₂ and various pollutants during a study relating to calculating emission factors from vehicles. These tests were conducted on different types of vehicles using different types of fuels. However, there are no standards prescribed for CO₂ emissions from vehicles in the country.

(c)The CO₂ emission standards exist in European Union, EURO Standards.

(d)and (e)In the country, no standards have been fixed for CO₂ emissions from Light and Heavy Duty Vehicles.
